



Mouse anti-Human IL12RB2 monoclonal antibody, clone 3I7 (CABT-B10455)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	IL12RB2 (NP_001550, 105 a.a. ~ 215 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	3I7
Conjugate	Unconjugated
Applications	WB,sELISA,ELISA
Sequence Similarities	CINSDEIQICGAEIFVGVAPEQPQNLSCIQKGEQGTVACTWERGRDTHLYTEYTLQLSGP KNLTWQKQCKDIYCDYLDGFINLTPESPESNFTAKVTAVNSLGSSSSLPS*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	The protein encoded by this gene is a type I transmembrane protein identified as a subunit of the interleukin 12 receptor complex. The coexpression of this and IL12RB1 proteins was shown
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to lead to the formation of high-affinity IL12 binding sites and reconstitution of IL12 dependent signaling. The expression of this gene is up-regulated by interferon gamma in Th1 cells, and plays a role in Th1 cell differentiation. The up-regulation of this gene is found to be associated with a number of infectious diseases, such as Crohns disease and leprosy, which is thought to contribute to the inflammatory response and host defense. Several transcript variants encoding different isoforms and non-protein coding transcripts have been found for this gene. [provided by RefSeq, Apr 2012]

Keywords	IL12RB2; interleukin 12 receptor, beta 2; interleukin-12 receptor subunit beta-2; IL-12R subunit beta-2; IL-12 receptor subunit beta-2; interleukin-12 receptor beta-2 chain;
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GENE INFORMATION

Entrez Gene ID	3595
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UniProt ID	Q99665
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Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; IL12-mediated signaling events, organism-specific biosystem; IL27-mediated signaling events, organism-specific biosystem; Jak-STAT signaling pathway, organism-specific biosystem; Jak-STAT signaling pathway, conserved biosystem
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Function	cytokine receptor activity; protein kinase binding; receptor activity
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